APPENDIX

[0076]   Below is an exemplary WSDL document that provides information regarding the interfaces that can be present in an Airline reservation service. The WSDL document provides detailed information regarding the operations involved in accessing this service, messages exchanged in each operation, parameters, and data types of each parameter.

```
<?xml version="1.0" encoding="UTF-8"?>
<definitions name="AirlineBusiness"
        targetNamespace="http://www.cise.ufl.edu/~dkochhar/Airline.wsdl"
        xmlns="http://schemas.xmlsoap.org/wsdl/"
        xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
        xmlns:tns=""http://www.cise.ufl.edu/~dkochhar/Airline.wsdl"
        xmlns:xsd="http://www.w3.org/2001/XMLSchema">

        <message name="FindScheduleRequest">
                <part name="fromCity" type="xsd:string"/>
                <part name="fromState" type="xsd:string"/>
                <part name="toCity" type="xsd:string"/>
                <part name="toState" type="xsd:string"/>
                <part name="departDay" type="xsd:integer"/>
                <part name="departMonth" type="xsd:integer"/>
                <part name="departYear" type="xsd:integer"/>
                <part name="departTime" type="xsd:decimal"/>
                <part name="returnDay" type="xsd:integer"/>
                <part name="returnMonth" type="xsd:integer"/>
                <part name="returnYear" type="xsd:integer"/>
                <part name="returnTime" type="xsd:decimal"/>
                <part name="numberOfPersons" type="xsd:integer"/>
                <part name="isRoundtrip" type="xsd:boolean"/>
                <part name="AirlineName" type="xsd:string"/>
```

```xml
        <part name="Cabin" type="xsd:string"/>
</message>
<message name="FindScheduleResponse">
        <part name="Airline" type="xsd:string"/>
        <part name="flightNumber" type="xsd:string"/>
        <part name="fare" type="xsd:float"/>
        <part name="journeyId" type="xsd:string"/>
        <part name="numberOfSeats" type="xsd:integer"/>
</message>
<message name="ReservationRequest">
        <part name="userName" type="xsd:string"/>
        <part name="password" type="xsd:string"/>
        <part name="journeyId" type="xsd:decimal"/>
        <part name="numberOfPersons" type="xsd:integer"/>
        <part name="cabin" type="xsd:string"/>
</message>
<message name="ReservationResponse">
        <part name="confirmationMsg" type="xsd:string"/>
        <part name="confirmationNumber" type="xsd:string"/>
        <part name="waitingNumber" type="xsd:string"/>
</message>
        <portType name="AirlinePortType">
            <operation name="FindScedule">
                <input message="tns:FindScheduleRequest"/>
                <output message="tns:FindScheduleResponse"/>
            </operation>
            <operation name="Reservation">
                <input message="tns:ReservationRequest"/>
                <output message="tns:ReservationResponse"/>
            </operation>
        </portType>
```

```
<binding name="AirlineBinding" type="tns:AirlinePortType">
        <soap:binding style="rpc"
        transport="http://schemas.xmlsoap.org/soap/http"/>
<operation name="FindSchedule">
        <soap:operation
        soapAction="http://localhost/Airline/FindSchedule"/>
        <input>
                <soap:body
                encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
                namespace="urn:examples:AirlineService"
                use="encoded"/>
        </input>
        <output>
                <soap:body
                encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
                namespace="urn:examples:AirlineService"
                use="encoded"/>.60
        </output>
</operation>
<operation name="Reservation">
        <soap:operation soapAction="http://localhost/Airline/Reservation"/>
        <input>
                <soap:body
                encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
                namespace="urn:examples:AirlineService"
                use="encoded"/>
        </input>
        <output>
                <soap:body
                encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
                namespace="urn:examples:AirlineService"
```

```
                    use="encoded"/>
                </output>
            </operation>
        </binding>
        <service name="AirlineService">
            <documentation>WSDL File for Airline</documentation>
            <port binding="tns:AirlineBinding" name="AirlinePort">
                <soap:address
                location="http://localhost:8080/soap/services/Airline"/>
            </port>
        </service>
    </definitions>
```